



STATE OF IDAHO  
DEPARTMENT OF  
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor  
Toni Hardesty, Director

January 21, 2005

**Certified Mail No. 7000 0520 0016 0850 3663**

Mr. Larry Hjalmarson  
Director of Operations  
Williams Gas Pipeline - West  
Northwest Pipeline Corp.  
P.O. Box 58900  
Salt Lake City, UT 84158-0900

RE: Facility ID No. 073-00003, Northwest Pipeline Corp., Owyhee Compressor Station  
Final Tier II Operating Permit and Permit to Construct No. T2-020044

Dear Mr. Hjalmarson:

The Department of Environmental Quality (DEQ) is issuing Tier II Operating Permit and Permit to Construct No. T2-020044 for Northwest Pipeline Corp., in accordance with the Rules for the Control of Air Pollution in Idaho, IDAPA 58.01.01.400-470 and 58.01.01.200-228, respectively.

The enclosed permit is effective immediately and is based on the information contained in your permit application and on the relevant comments received during the public comment period. Modification to and/or renewal of this permit shall be requested in a timely manner in accordance with the *Rules for the Control of Air Pollution in Idaho*.

A representative from the Boise Regional Office will contact you regarding a meeting with DEQ to discuss the permit terms and requirements. In addition to your facility's plant manager, DEQ recommends the following representatives attend the meeting: your responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with the permit conditions.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to IDAPA 58.01.23 (*Rules of Administrative Procedure Before the Board of Environmental Quality*). A petition may be filed with the Hearings Coordinator, Department of Environmental Quality, 1410 N. Hilton, Boise, ID 83706-1255, within 35 days of the date of this decision. However, prior to filing a petition for a contested case, DEQ encourages you to contact Bill Rogers at (208) 373-0502 to address any questions or concerns you may have with the enclosed permit.

Sincerely,

Martin Bauer, Administrator  
Air Quality Division

MB/BR/sd      Permit No. T2-020044  
Enclosure



**Air Quality  
TIER II OPERATING PERMIT  
and  
PERMIT TO CONSTRUCT**

**State of Idaho  
Department of Environmental Quality**

**PERMIT No.:** T2-020044

**FACILITY ID No.:** 073-00003

**AQCR:** 63

**CLASS:** SM80

**SIC:** 4922

**ZONE:** 11

**UTM COORDINATE (km):** 540.3, 4667.7

**1. PERMITTEE**

Northwest Pipeline Corporation

**2. PROJECT**

Facility-wide Tier II Operating Permit and Permit to Construct – Owyhee Compressor Station

**3. MAILING ADDRESS**

P.O. Box 58900

**CITY**

Salt Lake City

**STATE**

UT

**ZIP**

84108

**4. FACILITY CONTACT**

Matthew Armstrong

**TITLE**

Environmental Specialist

**TELEPHONE**

(801) 584-6354

**5. RESPONSIBLE OFFICIAL**

Larry Hjalmarson

**TITLE**

Director of Operations

**TELEPHONE**

(801) 584-6402

**6. EXACT PLANT LOCATION**

Township 14 South, Range 2 West, Section 36

**COUNTY**

Owyhee

**7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS**

Natural Gas Transmission

**8. PERMIT AUTHORITY**

This permit to construct and Tier II operating permit is issued according to the *Rules for the Control of Air Pollution in Idaho*, IDAPA 58.01.01.200-228 and IDAPA 58.01.01.400-470, respectively. This permit pertains only to emissions of air contaminants, which are regulated by the state of Idaho and to the sources specifically allowed to be operated by this permit. Only the terms and conditions pertaining to Tier II operating permit requirements are subject to the expiration date of this permit.

This permit is not transferable to another person, place, or piece or set of equipment, and will expire if construction has not begun within two years of its issue date or if construction is suspended for one year.

This permit has been granted on the basis of design information presented in the application and the Idaho Department of Environmental Quality's (DEQ) technical analysis of the supplied information. Changes in design or equipment that result in any change in the nature or amount of emissions may be considered a modification. Modifications are subject to DEQ review in accordance with IDAPA 58.01.01.200 of the *Rules for the Control of Air Pollution in Idaho*.

  
TONI HARDESTY, DIRECTOR  
DEPARTMENT OF ENVIRONMENTAL QUALITY

**DATE ISSUED:** January 21, 2005

**DATE EXPIRES:** January 21, 2010

## **Table of Contents**

1.	PERMIT SCOPE .....	4
2.	FACILITY-WIDE CONDITIONS .....	5
3.	EMISSIONS GROUP No. 1 – Four Solar Saturn 10-T1302 Turbines.....	8
4.	EMISSIONS GROUP No. 2 – Three Cummins Generator Engines .....	11
5.	EMISSIONS GROUP No. 3 – One Sellers Boiler and One P&A Fuel Gas Heater .....	13
6.	SUMMARY OF EMISSIONS LIMITS .....	15
7.	GENERAL PROVISIONS .....	16

## **Acronyms, Units, and Chemical Nomenclature**

<b>AQCR</b>	<b>Air Quality Control Region</b>
<b>CFR</b>	<b>Code of Federal Regulations</b>
<b>CO</b>	<b>carbon monoxide</b>
<b>DEQ</b>	<b>Idaho Department of Environmental Quality</b>
<b>dscf</b>	<b>dry standard cubic feet</b>
<b>EPA</b>	<b>U.S. Environmental Protection Agency</b>
<b>gr</b>	<b>grain (1 lb = 7,000 grains)</b>
<b>hp</b>	<b>horsepower</b>
<b>IDAPA</b>	<b>A numbering designation for all administrative rules in Idaho promulgated in accordance with the Idaho Administrative Procedures Act</b>
<b>km</b>	<b>kilometer</b>
<b>MMBtu/hr</b>	<b>million British thermal units per hour</b>
<b>NO<sub>x</sub></b>	<b>nitrogen oxides</b>
<b>NSPS</b>	<b>New Source Performance Standards</b>
<b>PM</b>	<b>particulate matter</b>
<b>PM<sub>10</sub></b>	<b>particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers</b>
<b>PTC</b>	<b>permit to construct</b>
<b>scf</b>	<b>standard cubic foot</b>
<b>SIC</b>	<b>Standard Industrial Classification</b>
<b>SM</b>	<b>synthetic minor</b>
<b>SO<sub>2</sub></b>	<b>sulfur dioxide</b>
<b>T/yr</b>	<b>tons per year</b>
<b>UTM</b>	<b>Universal Transverse Mercator</b>
<b>VOC</b>	<b>volatile organic compound</b>

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No.</b> 073-00003	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

**1. PERMIT SCOPE*****Purpose***

- 1.1 This Tier II operating permit and PTC limits the facility's potential to emit below major facility thresholds and contains permit to construct provisions for construction and operation of a Cummins Model G855 generator engine.
- 1.2 This Tier II operating permit and PTC replaces the following permits, the terms and condition of which shall no longer apply.
- PTC No. 1180-0003, issued June 17, 1991, and amended on September 15, 1993
  - PTC No. 073-00003, issued November 10, 1992
  - PTC No. 073-00003, issued March 29, 1994 (expired)

***Regulated Sources***

- 1.3 Table 1.1 lists all sources of regulated emissions in this permit.

**Table 1.1 SUMMARY OF REGULATED SOURCES**

<b>Permit Section</b>	<b>Source Description</b>	<b>Emissions Control(s)</b>
3	Four Solar Saturn 10-T1302 turbines	None
4	Three Cummins generator engines: Two Models GTA12 and one G855	None
5	One Sellers boiler and one P&A fuel gas heater	None

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No.</b> 073-00003	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

**2. FACILITY-WIDE CONDITIONS*****Fugitive Emissions***

- 2.1 All reasonable precautions shall be taken to prevent particulate matter (PM) from becoming airborne in accordance with IDAPA 58.01.01.650-651. In determining what is reasonable, considerations will be given to factors such as the proximity of dust-emitting operations to human habitations and/or activities and atmospheric conditions that might affect the movement of particulate matter. Some of the reasonable precautions include, but are not limited to, the following:
- Use, where practical, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of lands.
  - Application, where practical, of asphalt, oil, water, or suitable chemicals to, or covering of, dirt roads, material stockpiles, and other surfaces which can create dust.
  - Installation and use, where practical, of hoods, fans, and fabric filters or equivalent systems to enclose and vent the handling of dusty materials. Adequate containment methods should be employed during sandblasting or other operations.
  - Covering, where practical, of open-bodied trucks transporting materials likely to give rise to airborne dusts.
  - Paving of roadways and their maintenance in a clean condition, where practical.
  - Prompt removal of earth or other stored material from streets, where practical.
- 2.2 The permittee shall maintain records of all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after receipt of a valid complaint. The records shall include, at a minimum, the date that each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.

***Odors***

- 2.3 No person shall allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids to the atmosphere in such quantities as to cause air pollution.
- 2.4 The permittee shall maintain records of all odor complaints received. If the complaint has merit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall include, at a minimum, the date that each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.

***Visible Emissions***

- 2.5 The permittee shall not discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three minutes in any 60-minute period which is greater than 20% opacity as determined by procedures contained in IDAPA 58.01.01.625. The provisions of IDAPA 58.01.01.625 shall not apply when the presence of uncombined water, nitrogen oxides (NO<sub>x</sub>), and/or chlorine gas is the only reason for the failure of the emission to comply with the requirements of this section.

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No.</b> 073-00003	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

***Air Stagnation Advisory Days***

2.6 The permittee shall comply with the *Air Pollution Emergency Rule* in IDAPA 58.01.01.550-562.

***Open Burning***

2.7 The permittee shall comply with the requirements of the *Rules for Control of Open Burning*, IDAPA 58.01.01.600-616.

***Excess Emissions***

2.8 The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets and breakdowns. Startup and shutdown of equipment does not constitute an excess emissions event, in and of itself.

***Performance Testing***

2.9 For each performance test required by this permit, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test or shorter time period as provided in a permit, order, consent decree, or by DEQ approval. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests that such testing not be performed on weekends or state holidays.

All testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, prior to conducting any compliance test, the permittee is encouraged to submit in writing to DEQ, at least 30 days in advance, the following for approval:

- The type of method to be used
- Any extenuating or unusual circumstances regarding the proposed test
- The proposed schedule for conducting and reporting the test

Within 60 days following the date in which a compliance test required by this permit is concluded, the permittee shall submit to DEQ a compliance test report for the respective test. The compliance test report shall include a description of the process, identification of the method used, equipment used, all process operating data collected during the test period, and test results, as well as raw test data and associated documentation, including any approved test protocol.

If testing is required, the permittee shall use the test methods described in Table 2.1 to measure the pollutant emissions.

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No.</b> 073-00003	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

**Table 2.1 FACILITY-WIDE TEST METHODS**

Pollutant	Test Method	Special Conditions
PM <sub>10</sub>	EPA Method 201.a * EPA Method 202	
PM	EPA Method 5 *	
NO <sub>x</sub>	EPA Method 7 *	
SO <sub>2</sub>	EPA Method 6 *	
CO	EPA Method 10 *	
VOC	EPA Method 25 *	
Opacity	EPA Method 9 *	If an NSPS source, IDAPA 58.01.01.625 and Method 9; otherwise, IDAPA 58.01.01.625 only.

\* Or DEQ-approved alternative in accordance with IDAPA 58.01.01.157.

**Monitoring and Recordkeeping**

- 2.10 The permittee shall maintain sufficient records to ensure compliance with all of the terms and conditions of this operating permit. Records of monitoring information shall include, but not be limited to the following: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available in either hard copy or electronic format to DEQ representatives upon request.

**Reports and Certifications**

- 2.11 Any reporting required by this permit, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certifications, shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete. Any reporting required by this permit shall be submitted to the following address:

Air Quality Permit Compliance  
Department of Environmental Quality  
Boise Regional Office  
1445 North Orchard  
Boise, ID 83706-2239  
Phone: (208) 373-0550 Fax: (208) 373-0287

**Obligation to Comply**

- 2.12 Receiving a Tier II operating permit shall not relieve any owner or operator of the responsibility to comply with all applicable local, state, and federal rules and regulations.



**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No.</b> 073-00003	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

**3. EMISSIONS GROUP NO. 1 – FOUR SOLAR SATURN 10-T1302 TURBINES****3.1 Process Description**

The facility utilizes three stationary Solar Saturn 10-T1302 turbines (Units No. 1, 2, and 3), with a connection for one portable Solar Saturn 10-T1302 turbine (Unit No. 4), to increase operating pressure of the pipeline. Each turbine has a rated power output of 1121 horsepower (hp), and a rated input capacity of 12.60 million British thermal units per hour (MMBtu/hr). The portable unit is only operated in the event of stationary unit failure. The turbines are fired exclusively on natural gas.

**Table 3.1 EMISSIONS GROUP No. 1 DESCRIPTION**

<b>Emissions Unit(s) / Process(es)</b>	<b>Emissions Control Device</b>	<b>Emissions Point</b>
Four Solar Saturn 10-T1302 turbines / Unit Nos. 1, 2, 3, and 4	None	Turbine exhaust stacks

***Emissions Limits*****3.2 Emissions Limits**

Emissions of CO from the four turbines shall not exceed 60.00 tons per any consecutive 12-month period (T/yr), inclusively.

**3.3 Emissions Limit for NO<sub>x</sub> – New Source Performance Standard Requirement**

Emissions from each turbine shall not exceed a NO<sub>x</sub> content of 0.015% by volume at 15% oxygen and on a dry basis, as required by 40 CFR 60.332(c).

***Operating Requirements*****3.4 Turbine Operation Restriction**

The permittee shall not operate more than three turbines at the facility at any given time.

**3.5 Fuel Restriction**

The turbines shall be fired exclusively on natural gas.

**3.6 Fuel Sulfur Content Restriction – New Source Performance Standard Requirement**

Fuel with a sulfur content greater than 0.8% by weight shall not be combusted in the turbines, as required by 40 CFR 60.333(b).

**3.7 Turbine Load Requirement**

The turbines shall be operated at a gas producer speed of 80% or greater except during periods of startup, shutdown, and load change.

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No.</b> 073-00003	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

**3.8 Inspection Requirement**

At least once per year, or as needed during operation, the turbines shall be inspected for physical degradation that could adversely affect combustion performance of the units. The permittee shall make all necessary repairs to the turbines to ensure efficient operation.

***Performance Testing Requirements*****3.9 Performance tests for NO<sub>x</sub> – New Source Performance Standard Requirements**

Within 60 days after achieving maximum production rate at which the source will operate, but no later than 180 days after initial startup, the permittee shall conduct performance tests to measure NO<sub>x</sub> emissions from the stack of any new, replacement turbine. The initial performance test, and any subsequent performance tests conducted to demonstrate compliance, shall be performed in accordance with IDAPA 58.01.01.157, Permit Condition 2.9, and the procedures of 40 CFR 60.335.

***Monitoring and Recordkeeping Requirements*****3.10 Turbine Operation Monitoring Requirement**

The permittee shall monitor and record which of the turbines is in operation at all times. The records shall clearly indicate the timeframes when each turbine is in operation, sufficient to determine compliance with Permit Condition 3.4. The records shall be maintained in accordance with Permit Condition 2.10 and shall be made available to DEQ representatives for any on site inspection.

**3.11 Turbine Load Monitoring Requirements**

The permittee shall monitor and record the range of gas producer speed, including periods of startup, shutdown, and load change, for each turbine in operation. The records shall be maintained in accordance with Permit Condition 2.10 and shall be made available to DEQ representatives for any on site inspection.

**3.12 Sulfur and Nitrogen Content Monitoring – New Source Performance Standard Requirements**

The permittee shall demonstrate that the fuel combusted in the Solar Saturn 10-T1302 turbine engines meets the definition of natural gas in 40 CFR 60.331(u). The permittee shall use one of the following sources of information to make the required demonstration:

- The gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less; or
- Representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100 scf. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to part 75 of this chapter is required.
- No monitoring of fuel nitrogen content is required so long as the permittee does not claim an allowance for fuel bound nitrogen as described in 40 CFR 60.332(a), and so long as natural gas is the fuel fired in the turbine engines.

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No. 073-00003</b>	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

- For any turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and for which a custom fuel monitoring schedule has previously been approved, the owner or operator may, without submitting a special petition to the EPA, continue monitoring on this schedule.

Records demonstrating compliance with Permit Condition 3.12 shall be maintained in accordance with Permit Condition 2.10 and shall be made available to DEQ representatives for any on site inspection.

**3.13 Inspection Recordkeeping Requirement**

The permittee shall keep records of all inspections conducted in accordance with Permit Condition 3.8. The records shall be maintained in accordance with Permit Condition 2.10 and shall be made available to DEQ representatives for any on site inspection.

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No.</b> 073-00003	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

**4. EMISSIONS GROUP NO. 2 – THREE CUMMINS GENERATOR ENGINES****4.1 Process Description**

The facility utilizes two Cummins GTA-12 and one Cummins G855 generator engine (Unit Nos. 5, 6 and 7, respectively) to generate electricity for the facility. Each Cummins GTA-12 generator has a rated power output of 189 hp with a rated input capacity of 1.41 MMBtu/hr. The Cummins G855 generator has a rated power output of 160 hp with a rated capacity of 1.45 MMBtu/hr. The units are fired exclusively on natural gas. The CO emissions rate limit conservatively assumes the generators operate concurrently, continuously, and using natural gas exclusively.

**Table 4.1 EMISSIONS GROUP No. 2 DESCRIPTION**

<b>Emissions Unit(s) / Process(es)</b>	<b>Emissions Control Device</b>	<b>Emissions Point</b>
Two Cummins GTA12 generator engines / Unit Nos. 5 and 6	None	Generator exhaust stacks
One Cummins G855 generator engine / Unit No. 7	None	Generator exhaust stack

***Emissions Limits*****4.2 Emissions Limit**

Emissions of CO from the three Cummins generator engines shall not exceed 22.74 T/yr, inclusively.  
[PTC Condition]

***Operating Requirements*****4.3 Fuel Restriction**

The generator engines shall be fired exclusively on natural gas.  
[PTC Condition]

**4.4 Generator Engine Operation**

The permittee shall not operate more than one of the Cummins generator engines at the facility at any given time.  
[PTC Condition]

**4.5 Inspection Requirement**

At least once per year, or as needed during operation, the generators shall be inspected for physical degradation that could adversely affect combustion performance of the units. The permittee shall make all necessary repairs to the generators to ensure efficient operation.  
[PTC Condition]

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No.</b> 073-00003	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

***Monitoring and Recordkeeping Requirements*****4.6 Generator Operation Monitoring Requirement**

The permittee shall monitor and record which of the generators is in operation at all times. The records shall clearly indicate the timeframes when each generator is in operation, sufficient to determine compliance with Permit Condition 4.4. The records shall be maintained in accordance with Permit Condition 2.10 and shall be made available to DEQ representatives for any on site inspection.

[PTC Condition]

**4.7 Inspection Recordkeeping Requirement**

The permittee shall keep records of all inspections conducted in accordance with Permit Condition 4.5. The records shall be maintained in accordance with Permit Condition 2.10 and shall be made available to DEQ representatives for any on site inspection.

[PTC Condition]

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No.</b> 073-00003	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

**5. EMISSIONS GROUP NO. 3 – ONE SELLERS BOILER AND ONE P&A FUEL GAS HEATER****5.1 Process Description**

The facility utilizes one Sellers boiler with a rated input capacity of 2.00 MMBtu/hr to heat the facility, and one P&A fuel heater with a rated input capacity of 0.35 MMBtu/hr to heat fuel gas for the turbines.

**Table 5.1 EMISSIONS GROUP No. 3 DESCRIPTION**

Emissions Unit(s) / Process(es)	Emissions Control Device	Emissions Point
Sellers boiler / Emissions Unit No. 8	None	Boiler exhaust stack
P&A fuel gas heater / Emissions Unit No. 9	None	Heater exhaust stack

***Emissions Limits*****5.2 Emissions Limits**

Emissions of CO from sources in Emissions Group No. 3 shall not exceed any corresponding emissions rate limits listed in Table 5.2.

**Table 5.2 EMISSIONS GROUP No. 3 EMISSIONS LIMITS**

Source Description	CO
	T/yr
Sellers boiler	0.73
P&A fuel gas heater	0.13

**5.3 Particulate Matter Emissions Limit for Fuel Burning Equipment**

The permittee shall not discharge to the atmosphere from the boiler or gas heater, PM in excess of 0.015 grains per dry standard cubic foot (gr/dscf) of effluent gas corrected to 3% oxygen by volume for gas.

***Operating Requirements*****5.4 Fuel Restriction**

The boiler and gas heater shall be fired exclusively on natural gas.

**5.5 Inspection Requirement**

At least once per year, or as needed during operation, the boiler and gas heater shall be inspected for physical degradation that could adversely affect combustion performance of the units. The permittee shall make all necessary repairs to the boiler and/or gas heater to ensure efficient operation.

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No.</b> 073-00003	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

***Monitoring and Recordkeeping Requirements*****5.6 Inspection Recordkeeping Requirement**

The permittee shall keep records of all inspections conducted in accordance with Permit Condition 5.5. The records shall be maintained in accordance with Permit Condition 2.10 and shall be made available to DEQ representatives for any on site inspection.

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No.</b> 073-00003	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

**6. SUMMARY OF EMISSIONS LIMITS**

Table 6.1 provides a summary of the allowable emissions from this facility.

**Table 6.1 SUMMARY OF ALLOWABLE EMISSIONS<sup>a,b</sup>**

Source Description	CO
	T/yr
Four Solar Saturn 10-T1302 turbines <sup>c</sup>	60.00
Three Cummins generator engines <sup>d</sup>	22.74
Sellers boiler	0.73
P&A fuel gas heater	0.13

<sup>a</sup> As determined by a pollutant-specific EPA reference method, a DEQ-approved alternative, or as determined by DEQ's emissions estimation methods used in this permit analysis.

<sup>b</sup> As determined by multiplying the actual or allowable (if actual is not available) pound per hour emission rate by the allowable hours per year that the process(es) may operate(s), or by actual annual production rates.

<sup>c</sup> Emissions limit reflects only three turbines in operation at one time.

<sup>d</sup> Emissions limit reflects emission rate of worst-case generator engine at stand-alone operation.



**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No.</b> 073-00003	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

**7. GENERAL PROVISIONS**

1. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the *Rules for the Control of Air Pollution in Idaho*, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
2. The permittee shall at all times (except as provided in the *Rules for the Control of Air Pollution in Idaho*) maintain and operate in good working order all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
3. The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
  - To enter upon the permittee's premises where an emissions source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
  - At reasonable times, to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emissions testing (i.e., performance tests) in conformance with state-approved or accepted EPA procedures when deemed appropriate by the Director.
4. Except for data determined to be confidential under Section 9-342A *Idaho Code*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of DEQ.
5. Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
6. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter; a copy of which shall be forwarded to the Director.
7. This permit shall be renewable on the expiration date, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within 60 days after receipt of the Director's request shall cause the permit to become void.
8. The Director may require the permittee to develop a list of operation and maintenance procedures to be approved by DEQ. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
9. The provisions of this permit are severable; and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

**AIR QUALITY TIER II OPERATING PERMIT AND PERMIT TO CONSTRUCT No: T2-020044**

<b>Permittee:</b>	Northwest Pipeline Corp.	<b>Facility ID No. 073-00003</b>	<b>Date Issued:</b>	January 21, 2005
<b>Location:</b>	Owyhee County, Idaho		<b>Date Expires:</b>	January 21, 2010

10. The permittee shall notify DEQ, in writing, of the required information for the following events within 5 working days after occurrence:
- Initiation of Construction - Date
  - Completion/Cessation of Construction - Date
  - Actual Production Startup - Date
  - Initial Date of Achieving Maximum Production Rate - Production Rate and Date